

Product specification and information

IRM 921 - Mouse monoclonal antibody Hb5-4 (Clone 10-004)

1. Name of material Mouse monoclonal antibody Hb5-4 (Clone 10-004)
2. IRM Number IRM 921
3. Organization preparing the material Icosagen AS (former Quattromed), Estonia
4. Antibody Specification

Table 1
Specification for Hev b 5 monoclonal antibody Hb5-4

Property	ASTM Designation	Limits/Targets
Animal	D-7427, D 5900	Mouse
Antigen	D-7427, D 5900	rMBP-Hevb5
Adjuvant	D-7427, D 5900	Freund's Complete and Incomplete
Subclass		IgG1
Presentation		Purified MAb in PBS, 15mM sodium azide, pH 7,4
Concentration		1 mg/mL
Titer	D-7427, D 5900	Minimum 1/3,000
SDS PAGE Coomassie stain profile	D-7427, D 5900	Two bands detectable at molecular weight approximately 50 kDa and 25 kDa
Capture ELISA reactivity	D-7427, D 5900	Comparative analysis of extracts from a minimum of 5 Natural Rubber products

5. Specific conditions under which the IRM is to be stored

The material should be stored as aliquots at -20°C to -80°C. Multiple freeze-thaw cycles should be avoided as this may result in product degradation. The shelf life of the product has not been specifically determined, however, the shelf life has been well established for other mouse monoclonal antibodies. This reagent should have a minimum shelf life 10 years provided that it is stored at -20°C to -80°C. To ensure Mab quality, the antibody should be tested for its reactivity in the IEMA assay every 24 month to ensure that degradation has not occurred.

6. Other information

To verify the specificity and immunoreactivity of the Hev b 5 protein (IRM 923), anti-Hev b 5 capture antibody (IRM 921) and anti-Hev b 5 detection antibody (IRM 922) that are used together to perform the Hev b 5 IEMA.

